Index of Claims

| Application. | /Control No. |
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10/736,020

Examiner

Camie S. Thompson

Applicant(s)/Patent under Reexamination

LIU, GUO

Art Unit

1774

| √ | Rejected |
|---|----------|
| = | Allowed  |

|   | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
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| 0 | Objected |

| Cla      | aim 、    | 10                          |                |          | _            | Dа        | te           |             | _              | _        | ] | CI   | aim      |                | _  | _            | _        | Dat          | te         |              |          |          | ] |
|----------|----------|-----------------------------|----------------|----------|--------------|-----------|--------------|-------------|----------------|----------|---|--|----------|----------------|--|--------------|----------|--------------|------------|--------------|----------|----------|---|
| Final    | Original | 188/1                       |                |          |              |           |              |             |                |          |   | Final  | Original |                |  |              |          |              |            |              |          |          |   |
|          | 1        | ┰                           | K              | $\vdash$ | H            | ╁         | +            | ╁           | ╁              | ╁        | ┨ | -  | 51       | ╁              | ┢  | H            | H        | ╁            | ╁          | ╁            | -        | H        | ┨ |
|          | 2        | 讠                           |                | t        | $t^-$        | +         | +            | $\dagger$   | ╁              | +        | 1 |  | 52       | $\vdash$       | $\vdash$   | ╁            | ╁        | ╁            | +-         | t            | $\vdash$ | $\vdash$ | 1 |
|          | 3        | Ιť                          | $\vdash$       | t        | T            | +         | +            | 十           | $\dagger$      | ╁╌       | 1 | $\vdash$   | 53       |                | ┢  | 1            | +-       | $\vdash$     | ╈          | +-           | 十        | +-       | 1 |
|          | 4        | t                           | 7              | <u> </u> | 1            | $\dagger$ | †            | T           | T              | T        | 1 |  | 54       | 1              | <u> </u>   | $t^-$        | $\vdash$ | ╁╴           | +          |              | +        | ╁        | 1 |
|          | 5        | 1                           | 1              | †        | T            | +         | t            | ${\dagger}$ | +              | +        | i |  | 55       | †              |  | ┢            | $\vdash$ | H            | t          | t            | 十        | +-       | 1 |
|          | 6        | V                           | ۲,             |          | t            | +         | ╁╌           | $\dagger$   | +-             | +        | 1 |  | 56       | _              | H  |              | H        | ╁╌           | †          | t            | 十        | 1        | 1 |
|          | 7        | t                           | <del>/</del>   |          | t            | +-        | ╁            | ╁           | 十              | +-       | ┨ | -  | 57       | _              | $\vdash$   | <u> </u>     | $\vdash$ | ╁            | ╁          | H            | +        | H        | 1 |
|          | 8        | 1                           | /              | $\vdash$ | $\vdash$     | +         | $\vdash$     | +-          | †              | +        | 1 |  | 58       | H              | -  | $\vdash$     | $\vdash$ | +-           | +          | +            | ╁╴       | ╁        | 1 |
|          | 9        | ĭ                           | 1              |          | 十            | +         | +            | +           | +              | +        | 1 | -  | 59       | $\vdash$       | $\vdash$   | H            | +-       | 1            | ╁          | +            | +        | t        | 1 |
|          | 10       | ľ                           | <del>√</del>   | ╁╌       | $\vdash$     | +         | +            | ╁           | +              | +        | ┨ | -  | 60       | -              | <del>                                     </del> | ┢            | $\vdash$ | -            | +          | ╁            | ╁        | ╁        | ┨ |
|          | 11       | Ĭ                           | 1/             | ┢        |              | +         | ╁╴           | +-          | t              | t        | 1 | <u> </u>   | 61       | $\vdash$       | -  | ┢            | ┢        | ┼            | ╁╴         | $\vdash$     | $\vdash$ | $\vdash$ | 1 |
|          | 12       |                             | γ,             | $\vdash$ | ╁            | +         | +            | +           | ╁╌             | +        | 1 | $\vdash$   | 62       | $\vdash$       | ┢  | ┢            | $\vdash$ | ╁            | ╁          | ╁╌           | ╁┈       | -        | ┨ |
|          | 13       | V                           | <del>Y</del> — | $\vdash$ | ╁            | ╁╌        | ╁            | ╁           | ╁              | ╁        | 1 |  | 63       | ┥              | -  | -            | ╁        | $\vdash$     | ╁╌         | ╁            | $\vdash$ | ╁        | 1 |
|          | 14       | ۲                           | -              |          | $\vdash$     | +-        | +            | +           | ╁┈             | +        | 1 | -  | 64       | ┢              | -  | -            | ┢        | +-           | +-         | $\vdash$     | $\vdash$ | $\vdash$ | 1 |
|          | 15       | -                           | $\vdash$       | $\vdash$ | ┼            | $\vdash$  | $\vdash$     | +-          | +              | $\vdash$ | 1 |  | 65       | -              | -  | ┢            | ┢        | ╁            | +          | +            | ╁        | $\vdash$ | ł |
| -        | 16       | -                           | ┢              | -        | ╁            | ╆         | ╁            | +           | +              | ╁╌       | 1 |  | 66       | <del> </del>   | ┢  | -            | -        | ┝            | ╁          | ╫            | ╁        | -        | ł |
| =        | 17       | V                           | /              |          | ╁            | +-        | ╁            | ╁           | ┢              | ╁        | 1 |  | 67       | $\vdash$       | ⊢  | ⊢            | -        | -            | ╁          | ╁            | ╁        | ╁        | ┨ |
|          | 18       | V                           | <b>/</b>       | -        | ⊢            | ╁         | ╁            | ╁           | ╁              | ╁╌       | 1 |  | 68       | -              | $\vdash$   | ⊢            |          | ┢            | +          | ╁            | -        | ┢        | ł |
| -        | 19       | 17                          |                |          | ╁            | $\vdash$  | ╁            | ╁           | +-             | ╁        | ┨ |  | 69       | ⊢              |  | ⊢            | -        | -            | ⊢          | ╆            | +        | ├        | ┨ |
| $\dashv$ | 20       | V .                         |                | -        | ┢            | ╁╌        | ╁            | +-          | ╫              | +        | ┨ | _  | 70       | H              | _  |              | -        | -            | ┢          | ┢            | ╌        | ⊢        | ┨ |
| $\dashv$ | 21       | V                           | /              | ⊢        | ┢╾           | ╁         | ╁╌           | ╁           | ╁              | ╁        | ┨ | -  | 71       | $\vdash$       | -  | _            | ⊢        | ├-           | $\vdash$   | ├            | ┝        | ⊢        | ┨ |
| $\dashv$ | 22       | $\overset{\checkmark}{\nu}$ | ⊬-             | ⊢        | ┢            | ╁         | ╁            | ╁           | ┢              | ⊢        | 1 |  | 72       | $\vdash$       |  | ⊢            | ┝        | ⊢            | ⊢          | -            | ┢        | ├        | ł |
| $\dashv$ | 23       | Ž                           | -              | _        | -            | ╁         | ╁            | $\vdash$    | ╁              | ╁        | ┨ | -  | 73       | $\vdash$       |  |              | ├        | ├            | ├          | ┼            | ├        | ├        | ł |
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|          | 25       |                             | -              | -        | $\vdash$     | ╁╌        | ┢            | +           | ╁              | ╁╌       | ┥ |  |          | $\vdash$       |  | <del> </del> | $\vdash$ |              | ⊢          | -            | ┝        | -        | ł |
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| $\dashv$ | 27       | -                           | $\leftarrow$   |          | ├            | ╁         | ├            | ╀┈          | ⊢              | ╁        | ł |  |          | H              |  | -            | _        | -            | -          | -            | ⊢        | ⊢        | ł |
| ⊣        | 28       | K                           | /              | _        | ⊢            | ╁         | ├-           | ┼-          | $\vdash$       | ╁        | ┨ | -  | 77       | Н              |  | _            | <u> </u> | -            | -          | -            | ├        | ⊢        | ł |
| $\dashv$ | 29       | <del>- /</del>              | _              | -        | -            | ⊢         | ╁            | ╁╌          | ⊢              | ┢        | - |  | 78<br>79 |                |  | _            | -        | <u> </u>     | ╀          | $\vdash$     | ├—       | ⊢        | ł |
| $\dashv$ | 30       | <u>ر</u>                    | /              |          | H            | -         | ┝            | ┢╌          | ⊢              | -        | ┨ |  | 80       | Н              |  |              | -        | ⊢            | ┝          | <u> </u>     | ⊢        | ⊢        | ł |
| $\dashv$ | 31       | Ŭ                           |                |          |              | -         | -            | ╁╾          | ╁╴             | ╁        | 1 | ├  | 81       | Н              |  |              | ⊢        | -            | ⊢          | ├-           | <u> </u> | -        | ł |
| $\dashv$ | 32       |                             | _              | _        |              | ├         | ├-           | -           | ⊢              | -        | 1 | <u> </u>   | 82       | Н              | _  | _            | _        |              | -          | _            | ├        | ⊢        | ł |
| $\dashv$ | 33       | V                           |                |          | -            | ⊬         | ├            | -           | ├              | ⊢        | ł | <u> </u>   | 83       | H              |  | _            | -        |              | -          | ├            | <u> </u> | <u> </u> | ł |
| -        | 34       | -                           |                |          | -            | ⊢         | $\vdash$     | ┢           | ├              | ⊢        | 1 | <u> </u>   |          | _              |  |              |          |              | ⊢          | <u> </u>     | ⊢        | ┞        | 1 |
|          | 35       | -                           | $\vdash$       |          | -            | ⊢         | -            | ┢           | -              | -        | ł |  | 84       |                |  |              | <u> </u> |              | ┢          | ├            | _        | _        | ł |
| $\dashv$ | 36       | -                           |                |          | $\vdash$     | ╁         | ├            | ├-          | ┢              | ┢        | ┨ | <u> </u>   | 85<br>86 | -              | _  | _            | _        | <u> </u>     | -          | ├-           | -        | -        | ł |
|          | 37       | $\dashv$                    |                |          | ├            | ⊢         | <u> </u>     | ┢           | -              | ┢        | ┨ |  | 87       |                |  |              | <u> </u> | <u> </u>     | ⊢          | ├-           | ├        |          | ł |
| -        | 38       |                             |                |          | <u> </u>     | ⊢         | ├            | ├-          | ├              | <u> </u> | ┨ |  | 88       | Н              |  |              | _        | -            | ⊢          | ├-           | ļ        | -        | ł |
| -        | 39       | $\vdash$                    |                | $\vdash$ | <del> </del> | $\vdash$  | -            | -           | ╁              | $\vdash$ | ┨ | <del> </del>                                     |          | Н              |  | -            | -        | <del> </del> | ├-         | -            | $\vdash$ | ├-       | ł |
|          | 40       | -                           | $\dashv$       |          | -            | $\vdash$  | <del> </del> | ⊢           | +-             | $\vdash$ | ┨ |  | 89<br>90 | $\vdash\vdash$ |  | -            |          | -            | -          | -            | ├        | ├—       | 1 |
| $\dashv$ | 41       |                             | -              |          | -            | $\vdash$  |              | ╁           | -              | -        | 1 | -  | 91       | $\vdash$       |  | _            | -        | <u> </u>     | ├—         | <u> </u>     | ├        | <u> </u> | l |
| -        | 42       | $\vdash$                    | $\dashv$       | _        | Ι            | $\vdash$  | $\vdash$     | ├-          | -              | -        | ł | <b>-</b>   |          | $\vdash$       |  |              |          | <u> </u>     |            | <del> </del> |          | <u> </u> | l |
|          | 43       |                             | $\dashv$       |          | <b></b>      | ⊢         | -            | -           | $\vdash$       | -        | ł |  | 92       | -              | -  |              | _        | <u> </u>     | ├          | ├-           | H        | _        | l |
| -+       |          | $\vdash$                    |                | -        | ├            | -         | -            | -           | $\vdash$       |          | - |  | 93       |                |  | -            | -        | <u> </u>     | -          | <u> </u>     | ⊢        | _        | l |
|          | 44       |                             |                | $\dashv$ | <u> </u>     | -         | -            | ⊢           | <del> </del> — |          | 1 | <del>                                     </del> | 94       |                |  |              |          | <u> </u>     | ├-         | <u> </u>     | $\vdash$ | <u> </u> |   |
|          | 45       |                             | -              |          | -            | -         | <u> </u>     | $\vdash$    | 1              | <u> </u> | ł | $\vdash$   | 95       | $\vdash$       |  |              |          | <u> </u>     | <b> </b> _ | <u> </u>     | _        | L        |   |
|          | 46       |                             |                | $\dashv$ |              | <u> </u>  | ⊢-           | $\vdash$    | -              | <u> </u> | ł | $\vdash$   | 96       |                |  |              |          | <u> </u>     | ├          | <u> </u>     | <u> </u> | L.       |   |
| -+       | 47       |                             |                | -        |              | <u> </u>  | ├-           | <u> </u>    | ├-             | ├        | ł | <u> </u>   | 97       | _              | _  | _            |          | L.           | <u> </u>   | <u> </u>     | L_       | L        |   |
| $\dashv$ | 48       |                             |                |          |              | -         | ├            | <u> </u>    | ├-             | ├-       |   | $\vdash$   | 98       | $\dashv$       | _  | _            |          |              | <u> </u>   | _            | $\vdash$ | L.       |   |
|          | 49       |                             |                |          |              | _         | <u> </u>     | <u> </u>    | -              | <u> </u> | 1 | $\vdash$   | 99       | Ц              |  |              |          |              | <u> </u>   | L.           | _        | <u></u>  |   |
| - 1      | 50       | - 1                         | I              |          |              | i         | l            |             | 1              |          | l | i  | 100      |                | i  |              |          |              | l          | ı            |          |          | 1 |

| Cl          | aim   | Date     |          |          |          |                 |          |                |  |          |  |  |
|-------------|---|----------|----------|----------|----------|-----------------|----------|----------------|--|----------|--|--|
|             |   |          |          | Τ        | Τ        | Г               | П        | П              | П  | П        |  |  |
| ल           | Original  |          |          | ļ        |          |                 |          |                |  |          |  |  |
| Final       | <u>:</u> Ē  |          |          |          |          |                 |          |                |  |          |  |  |
| _           | Ō   |          | l        |          |          |                 | 1        | İ              |  |          |  |  |
| <u> </u>    | 101   | -        | ⊢        | ╁        | ├-       | ⊢               | ⊢        | ╁              | ╁  | $\vdash$ |  |  |
|             | 101   | ┝        | $\vdash$ | ⊢        | ├        | ⊢               | ⊢        | ╁┈             | ⊢  | Н        |  |  |
|             | 102   | ┡        | L        | -        | ┢        | <b>.</b>        | ļ        | ↓_             | ⊢  | ⊢⊢       |  |  |
|             | 103   | <u> </u> | _        | <u> </u> | Ļ        | <u> </u>        | ┺        | ┡              | _  | Ш        |  |  |
|             | 104   | _        | _        | <u> </u> | L        | ┞               | <u> </u> | ╙              | ┖  | Ш        |  |  |
|             | 101<br>102<br>103<br>104<br>105<br>106<br>107<br>108<br>109 | L        | L_       | Ļ        | L        | Ļ.,             | _        | <u> </u>       | _  | Ш        |  |  |
|             | 106   | L        | L        |          | L        | L               | L        | $oxed{oxed}$   |  |          |  |  |
|             | 107   | L        |          | L        |          |                 | L        |                | L  |          |  |  |
| L           | 108   |          | <u> </u> | L.       |          |                 |          |                |  |          |  |  |
|             | 109   |          |          |          | L.       |                 |          |                |  |          |  |  |
|             | 110   |          |          | Ι        |          |                 |          | Γ              |  |          |  |  |
|             | 111   |          |          | Г        |          |                 |          | Π              |  |          |  |  |
|             | 112   |          |          |          |          |                 |          |                |  |          |  |  |
|             | 111<br>112<br>113   |          |          |          | Г        | Π               | Π        | Г              |  | П        |  |  |
|             | 114   |          | <u> </u> |          | Г        |                 |          | T              | T  | М        |  |  |
| $\Box$      | 115   | _        | Т        | Т        |          | t               | <u> </u> | t              |  | Н        |  |  |
| $\vdash$    | 114<br>115<br>116<br>117<br>118<br>119<br>120<br>121        |          |          | t        | ┢        | <b>!</b>        | 1-       | T              | <del>                                     </del> | $\vdash$ |  |  |
|             | 117   | -        | _        | $\vdash$ | $\vdash$ |                 | ╁        | ╁              | ┢  | Н        |  |  |
|             | 110   |          |          | $\vdash$ | -        | ⊢               | -        | ⊢              | -  | Н        |  |  |
| Н           | 110   |          |          | ⊢        | -        | _               | $\vdash$ | ├-             | ⊢  | $\vdash$ |  |  |
|             | 119   |          |          | -        | -        | ⊢               | -        | ⊢              | -  | Н        |  |  |
|             | 120   |          |          | <u> </u> | <u> </u> | <u> </u>        | _        | <u> </u>       | _  | Н        |  |  |
|             | 121   |          |          | -        | ┡        | _               | ┡        | <u> </u>       | <u> </u>   | Ш        |  |  |
| $\vdash$    | 122   |          |          | _        | <u> </u> | <u> </u>        | L        | L              |  | Щ        |  |  |
|             | 122<br>123<br>124   |          |          | <u> </u> | <u> </u> | _               | _        | <u> </u>       | ╙  | Щ        |  |  |
|             | 124   |          |          | _        | <u> </u> | _               |          | L              |  | Ш        |  |  |
|             | 125<br>126<br>127<br>128<br>129<br>130<br>131<br>132        |          |          |          | L        |                 | _        |                |  | Ш        |  |  |
|             | 126   | _        |          | <u> </u> | _        |                 | L_       | <u> </u>       |  | Щ        |  |  |
|             | 127   |          |          |          | ᆫ        | L               | _        |                |  | Ш        |  |  |
|             | 128   |          |          |          |          | _               | L        |                |  |          |  |  |
|             | 129   |          |          | L        |          |                 |          |                |  |          |  |  |
|             | 130   |          |          |          |          |                 |          |                |  |          |  |  |
|             | 131   |          |          |          |          |                 |          |                |  |          |  |  |
|             | 132   |          |          |          |          |                 |          | Γ              |  |          |  |  |
|             | 133   |          |          |          |          |                 |          | Г              |  | П        |  |  |
|             | 133<br>134  |          |          |          |          |                 |          |                |  |          |  |  |
|             | 135   |          |          |          |          |                 |          |                |  | $\Box$   |  |  |
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|             | 137   |          |          |          |          |                 | Т        |                |  |          |  |  |
|             | 138   |          |          |          |          |                 |          | Г              | П  | $\dashv$ |  |  |
|             | 139   |          |          | П        | -        |                 |          | ┢              | $\vdash$   |          |  |  |
|             | 140   |          |          | Н        |          |                 | _        | T              | Н  | $\dashv$ |  |  |
|             | 141   | _        |          | $\vdash$ |          | Н               | Н        | $\vdash$       |  | $\dashv$ |  |  |
| <del></del> | 142   | -        |          | Н        | -        | Н               |          | -              | Н  | $\dashv$ |  |  |
|             | 143   | -        |          | $\vdash$ | -        | Н               | -        | _              | Н  | $\dashv$ |  |  |
|             | 144   |          |          | -        | -        | $\vdash$        |          | $\vdash$       |  | $\dashv$ |  |  |
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|             | 145   |          |          | $\vdash$ |          | _               |          | Ш              | -  | $\dashv$ |  |  |
|             | 146   |          | _        | $\vdash$ |          | $\vdash \vdash$ | ļ        | Ш              | Щ  | 4        |  |  |
|             | 147   |          |          | $\Box$   |          | $\sqcup$        |          | Щ              | Щ  |          |  |  |
|             | 148   |          |          |          | _        | $\sqcup$        |          | Ш              |  | Ц        |  |  |
|             | 149   | _        |          |          |          |                 |          | Ш              | $\Box$   | _        |  |  |
| 1           | 150   |          |          |          |          |                 |          | Ш              |  |          |  |  |